

ABSTRACT

Apparatus and method are disclosed for data communication using sound. Generally, an apparatus for transmitting digital data comprises a data coder configured to convert the digital data into one or more types of sound parameters, and a sound synthesizer coupled to the data coder and configured to generate sound based on the one or more types of sound parameter. An apparatus for receiving digital data comprises a sound analyzer configured to receive sound and to extract one or more types of sound parameters from the received sound, and a data decoder coupled to the sound analyzer and configured to convert the extracted one or more types of sound parameters into the digital data.

